

## CLAIMS

I/We claim:

- [c1]            1.     A methods in a computer system for detecting myocardial infarction comprising
- receiving ECG data;
  - analyzing the ECG data for benign ST data; and
  - when the ST data is not benign;
    - establishing a pathological threshold;
    - normalizing any deviation in the ECG data;
    - applying a pattern analysis to the normalized ECG data; and
    - generating a score indicating presence of a myocardial infarction based on the pattern analysis and the threshold.